

What Is Claimed Is:

- 1.A single facer corrugator belt comprising:  
a base structure, said base structure having an  
inside and an outside surface and a machine or  
5 running direction and a cross machine direction,  
said base structure being formed by machine  
direction yarns and cross machine direction yarns;  
a polymeric resin layer applied to at least one  
surface of said base structure; and  
10 a plurality of grooves formed on at least one  
surface of said base structure.
2. The single facer corrugator belt of claim 1,  
wherein said grooves are continuous.
- 15 3. The single facer corrugator belt of claim 1,  
wherein said grooves are discontinuous.
- 4.The single facer corrugator belt of claim 1  
20 further comprising at least one layer of fibers  
needled into said base structure and extending at  
least partially there through.
5. The single facer corrugator belt of claim 4,  
25 wherein the needled fibers are impregnated with  
polymeric resin.
6. The single facer corrugator belt of claim 1  
wherein said grooves extend partially through said  
30 polymeric resin layer, said polymeric resin layer  
forming an impermeable layer on said at least one  
surface.

7. The single facer corrugator belt of claim 1,  
wherein said grooves extend through said polymeric  
resin layer forming a permeable layer on said at  
least one surface.
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8. The single facer corrugator belt of claim 1,  
wherein the base structure is woven, non-woven,  
knitted, mesh, braided, spiral-linked or spiral  
wound.
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9. A single facer corrugator belt comprising:  
a base structure, said base structure having an  
inside and an outside surface and a machine or  
running direction and a cross machine direction,  
15 said base structure being formed by machine  
direction yarns and cross machine direction yarns;  
a polymeric resin layer formed on said base  
structure; and  
a plurality of holes formed in at least one  
20 surface of said base structure.
10. The single facer corrugator belt of claim 9  
further comprising at least one layer of fibers  
needled into said base structure and extending at  
25 least partially there through.
11. The single facer corrugator belt of claim 10,  
wherein the needled fibers are impregnated with  
polymeric resin.
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12. The single facer corrugator belt of claim 9  
wherein said holes extend partially through said  
polymeric resin layer, said polymeric resin layer

forming an impermeable layer on said at least one surface.

5 13. The single facer corrugator belt of claim 9, wherein said holes extend through said polymeric resin layer forming a permeable layer on said at least one surface.

10 14. The single facer corrugator belt of claim 9, wherein the holes extend completely through said belt.

15 15. The single facer corrugator belt of claim 9, wherein the base structure is woven, non-woven, knitted, mesh, braided, spiral-linked or spiral wound.